BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Bill

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No: 11

Item Name: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen

SLNO	CHAINAGE Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**69.69**	**Cum**
							Quantity vide 2nd RA Bill	**98.41**	**Cum**
							Total Quantity	**168.10**	**Cum**
							Deduct paid Quantity	**168.10**	**Cum**
							Quantity carried to bill	**Nil**	**Cum**

Contractor Representative

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst.Executive Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Bill

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No: 12

Item Name: Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications

SLNO	CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
Premeasurement recorded on:				22/10/2018,23/10/2018						
								Quantity vide 1st RA Bill	**758.95**	**Cum**
								Quantity vide 2nd RA Bill	**306.41**	**Cum**
4th Cross road from 1st main road, Krishna layout										
	0.00	30.00	1	30.00	6.40	6.40	6.40	0.04	7.68	
	30.00	60.00	1	30.00	6.40	7.00	6.70	0.04	8.04	
	60.00	80.20	1	20.20	7.00	6.90	6.95	0.04	5.62	
	80.20	110.20	1	30.00	6.50	7.00	6.75	0.04	8.10	
	110.20	121.20	1	11.00	7.00	8.40	7.70	0.04	3.39	
	121.20	151.20	1	30.00	6.80	6.50	6.65	0.04	7.98	
	151.20	166.00	1	14.80	6.50	7.90	7.20	0.04	4.26	
	Approach									
			23/X 1	1.20			1.50	0.04	0.07	
			1	1.00			1.00	0.04	0.04	
	Deduction									
			-2				1.13	0.04	-0.09	
			-2				0.64	0.04	-0.05	
Cross road 1,kogilu layout										
	0.00	17.00	1	17.00	3.20	4.20	3.70	0.04	2.52	
	17.00	20.30	1	3.30	4.20	5.20	4.70	0.04	0.62	
	20.30	50.30	1	30.00	4.80	4.30	4.55	0.04	5.46	
	50.30	80.30	1	30.00	4.30	4.20	4.25	0.04	5.10	
	80.30	110.30	1	30.00	5.20	4.30	4.75	0.04	5.70	
	110.30	138.30	1	28.00	4.30	4.10	4.20	0.04	4.70	
	Approach									
			23/X 2	3.00			0.50	0.04	0.12	
			1	1.00			1.00	0.04	0.04	
	Deduction									
			-4				1.13	0.04	-0.18	

Asst. Executive Engineer
Project Division
Yelahanka Zone

CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
Revenue 2.kogilu layout									
0.00	24.00	1	24.00	5.00	4.00	4.50	0.04	4.32	
24.00	54.00	1	30.00	5.20	4.00	4.60	0.04	5.52	
54.00	84.00	1	30.00	4.00	4.30	4.15	0.04	4.98	
84.00	114.00	1	30.00	4.30	4.00	4.15	0.04	4.98	
114.00	144.00	1	30.00	4.00	4.00	4.00	0.04	4.80	
144.00	174.00	1	30.00	4.00	4.00	4.00	0.04	4.80	
174.00	190.00	1	16.00	3.90	4.70	4.30	0.04	2.75	
Approach									
		2	1.00			1.20	0.04	0.10	
		1	1.00			1.00	0.04	0.04	
Deduction									
		-2				1.13	0.04	-0.09	
		-1				1.13	0.04	-0.05	
Revenue 3.kogilu layout									
0.00	30.00	1	30.00	5.80	5.40	5.60	0.04	6.72	
30.00	60.00	1	30.00	5.40	5.30	5.35	0.04	6.42	
60.00	90.00	1	30.00	5.30	5.50	5.40	0.04	6.48	
90.00	120.00	1	30.00	5.50	5.30	5.40	0.04	6.48	
120.00	134.50	1	14.50	5.20	5.40	5.30	0.04	3.07	
							Total Quantity	**1195.80**	**Cum**
							Deduct paid Quantity	**1065.36**	**Cum**
							Quantity carried to bill	**130.44**	**Cum**

Checked.
23/X

Contractor Representative

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst Executive Engineer
Project Division Yelahanka Zone

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division

Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division

Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division

Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division

Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division

Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Bill

Agency: Sri. A. CHENNAREDDY

Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

13

Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications

CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
Measurement recorded on:			11/5/2018						
							Quantity vide 1st RA Bill	**0.00**	**Sqm**
							Quantity vide 2nd RA Bill	**1206.57**	**Sqm**
Cross road from 1st main road, Krishna layout									
0.00	30.00	2	30.00			0.10		6.00	
30.00	60.00	2	30.00			0.10		6.00	
60.00	80.20	2	20.20			0.10		4.04	
80.20	110.20	2	30.00			0.10		6.00	
110.20	121.20	2	11.00			0.10		2.20	
121.20	151.20	2	30.00			0.10		6.00	
151.20	166.00	2	14.80			0.10		2.96	
Cross road 1,kogilu layout									
0.00	17.00	2	17.00			0.10		3.40	
17.00	20.30	2	3.30			0.10		0.66	
20.30	50.30	2	30.00			0.10		6.00	
50.30	80.30	2	30.00			0.10		6.00	
80.30	110.30	2	30.00			0.10		6.00	
110.30	138.30	2	28.00			0.10		5.60	
Cross road 2,kogilu layout									
0.00	24.00	2	24.00			0.10		4.80	
24.00	54.00	2	30.00			0.10		6.00	
54.00	84.00	2	30.00			0.10		6.00	
84.00	114.00	2	30.00			0.10		6.00	
114.00	144.00	2	30.00			0.10		6.00	
144.00	174.00	2	30.00			0.10		6.00	
174.00	190.00	2	16.00			0.10		3.20	

Asst. Executive Engineer
Project Division
Yelahanka Zone

CHAINAGE		NO	L	B1	B2	Avg B	Avg D	Quantity	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Kogilu layout									
0.00	30.00	2	30.00			0.10		6.00	
30.00	60.00	2	30.00			0.10		6.00	
60.00	90.00	2	30.00			0.10		6.00	
90.00	120.00	2	30.00			0.10		6.00	
120.00	134.50	2	14.50			0.10		2.90	
							Total Quantity	**1332.33**	**Sqm**
							Approved Quantity	**1269.45**	**Sqm**
							Deduct paid Quantity	**1206.57**	**Sqm**
							Quantity Limited and carried to bill	**62.88**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer

Project Division Yelahanka Zone

Asst.Executive Engineer

Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Bill

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

SORC	14									

Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications

CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
Measurement recorded on:			13/11/2018.14/11/2018						
							Quantity vide 1st RA Bill	**42.98**	**Cum**
							Quantity vide 2nd RA Bill	**53.75**	**Cum**
Main road,Kogilu layout									
0.00	15.00	1	15.00	6.50	6.70	6.60	0.15	14.85	
15.00	30.00	1	15.00	6.70	5.30	6.00	0.15	13.50	
30.00	45.00	1	15.00	5.30	4.90	5.10	0.15	11.48	
45.00	60.00	1	15.00	4.90	5.20	5.05	0.15	11.36	
60.00	75.00	1	15.00	5.20	6.00	5.60	0.15	12.60	
75.00	90.00	1	15.00	6.00	5.50	5.75	0.15	12.94	
90.00	105.00	1	15.00	5.50	6.00	5.75	0.15	12.94	
105.00	120.00	1	15.00	6.00	5.70	5.85	0.15	13.16	
120.00	127.70	1	7.70	5.70	10.30	8.00	0.15	9.24	Bell mouth
Approach									
		1	2.00			1.50	0.15	0.45	
		1	1.20			1.00	0.15	0.18	
Deduction									
		-2				1.13	0.15	-0.34	
		-2				0.64	0.15	-0.19	
Cross road Connecting 3rd cross road,Kogilu layout									
0.00	15.00	1	15.00	4.50	4.10	4.30	0.15	9.68	
15.00	26.20	1	11.20	4.10	4.20	4.15	0.15	6.97	
26.20	39.20	1	13.00	3.30	3.20	3.25	0.15	6.34	
39.20	54.20	1	15.00	4.60	3.20	3.90	0.15	8.78	
54.20	69.20	1	15.00	3.20	3.50	3.35	0.15	7.54	
69.20	84.20	1	15.00	3.50	3.50	3.50	0.15	7.88	
84.20	99.20	1	15.00	3.50	3.50	3.50	0.15	7.88	
99.20	114.20	1	15.00	3.50	3.20	3.35	0.15	7.54	
114.20	129.20	1	15.00	3.20	3.50	3.35	0.15	7.54	
129.20	139.90	1	10.70	3.50	3.60	3.55	0.15	5.70	
139.90	154.90	1	15.00	4.70	4.70	4.70	0.15	10.58	
154.90	169.90	1	15.00	4.70	4.60	4.65	0.15	10.46	
169.90	184.90	1	15.00	4.60	3.60	4.10	0.15	9.23	
184.90	199.90	1	15.00	3.60	3.00	3.30	0.15	7.43	
199.90	214.90	1	15.00	3.00	2.80	2.90	0.15	6.53	
214.90	216.90	1	2.00	2.80	2.40	2.60	0.15	0.78	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
	1	2.50			1.00	0.15	0.38	
	-3				1.13	0.15	-0.51	
Cross roads								
	1	11.00	5.60	5.70	5.65	0.15	9.32	
Road ,kogilu layout								
	1	15.00	3.80	4.20	4.00	0.15	9.00	
	1	15.00	4.20	3.90	4.05	0.15	9.11	
	1	6.50	3.90	3.90	3.90	0.15	3.80	
Cross roads								
	1	14.30	4.00	4.60	4.30	0.15	9.22	
	1	13.80	7.00	6.70	6.85	0.15	14.18	
						Total Quantity	**384.21**	**Cum**
						Deduct paid Quantity	**96.73**	**Cum**
						Quantity carried to bill	**287.48**	**Cum**

Mecadez Core Technologies Private Limited

Consultant Representative

Asst. Executive Engineer
Project Division Yelahanka Zone
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama tem road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	15	
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundation footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications Specifcation No	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**0.00**	Sqm
							Quantity vide 2nd RA Bill	**3.00**	Sqm
							Total Quantity	**3.00**	Sqm
							Deduct paid Quantity	**3.00**	Sqm
							Quantity carried to bill	**Nill**	Sqm

Contractor Representative

Consultant Representative

Asst Engineer

RI-Project Division Yelahanka ZONE ,

Asst. Executive Engineer

RI-Project Division Yelahanka ZONE ,

Yelahanka Zone

Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli flooding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at kogilu layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to harihara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Agency: Sri. A. CHENNAREDDY

Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

16

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification

CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
Quantity vide 1st RA Bill							**0.00**	**Sqm**
Quantity vide 2nd RA Bill							**16.00**	**Sqm**
Total Quantity							**16.00**	**Sqm**
Deduct paid Quantity							**16.00**	**Sqm**
Quantity carried to bill							**Nill**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer

Project Division Yelahanka Zone

Asst. Executive Engineer

Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	17
Item Name:	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**0.00**	**Cum**
							Quantity vide 2nd RA Bill	**10.45**	**Cum**
							Total Quantity	**10.45**	**Cum**
							Deduct paid Quantity	**10.45**	**Cum**
							Quantity carried to bill	**Nil**	**Cum**

Contractor Representative

Mecadez Core Technologies Private Limited

Consultant Representative

Asst Engineer

Project Division Yelahanka Zone

Asst.Executive Engineer

Project Division Yelahanka Zone

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara sririama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	18
Item Name:	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.

Chainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of	Total Length of	Weight per m	Quantity in Kgs	Remarks
From	To											
1	2	3	4	5	6	7	8	9	10	11	12	13
										Quantity vide 1st RA Bill	**0.00**	**Tonne**
										Quantity vide 2nd RA Bill	**0.12**	**Tonne**
										Total Quantity	**0.12**	**Tonne**
										Deduct paid Quantity	**0.12**	**Tonne**
										Quantity carried to bill	**Nill**	**Tonne**

Contractor Representative

Core Technologies Private Limited IECADEZ

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst.Executive Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	19
Item Name:	KSRRB 5-14: Providing and Constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton/sqm with cement mortor 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40X15X20 cms confirming to I.S:2185/1965 in superstructure including cost of materials, labor charges, scaffolding, curing complete as per specifications

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**0.00**	**Sqm**
							Quantity vide 2nd RA Bill	**237.56**	**Sqm**
							Total Quantity	**237.56**	**Sqm**
							Deduct paid Quantity	**237.56**	**Sqm**
							Quantity carried to bill	**Nill**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	20
Item Name:	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**0.00**	**Cum**
							Quantity vide 2nd RA Bill	**14.81**	**Cum**
							Total Quantity	**14.81**	**Cum**
							Deduct paid Quantity	**14.81**	**Cum**
							Quantity carried to bill	**Nill**	**Cum**

Contractor Representative

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst Executive Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	21
Item Name:	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge

SLNO	CHAINAGE Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**0.00**	**Sqm**
							Quantity vide 2nd RA Bill	**377.01**	**Sqm**
							Total Quantity	**377.01**	**Sqm**
							Deduct paid Quantity	**377.01**	**Sqm**
							Quantity carried to bill	**Nill**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst Executive Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Billl

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	22
Item Name:	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
							Quantity vide 1st RA Bill	**0.00**	**Sqm**
							Quantity vide 2nd RA Bill	**7.50**	**Sqm**
							Total Quantity	**7.50**	**Sqm**
							Deduct paid Quantity	**7.50**	**Sqm**
							Quantity carried to bill	**Nill**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer

Project Division Yelahanka Zone

Asst.Executive Engineer

Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara sriram temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Bill

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	23
Item Name:	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, / . laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling , the form work as per drawing) & spreading the concrete with shovels, - rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications.M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine cum aggregate @ 0.46cum)

SLNO	CHAINAGE		NO	L	B1	B2	Avg B	Avg D	Quantity	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Premeasurement recorded on:				16/11/2018,17/11/2018						
								Quantity vide 1st RA Bill	**42.98**	**Cum**
								Quantity vide 2nd RA Bill	**32.80**	**Cum**
3rd Cross road,Kogilu layout										
	0.00	15.00	1	15.00	6.50	6.70	6.60	0.15	14.85	
	15.00	30.00	1	15.00	6.70	5.30	6.00	0.15	13.50	
	30.00	45.00	1	15.00	5.30	4.90	5.10	0.15	11.48	
	45.00	60.00	1	15.00	4.90	5.20	5.05	0.15	11.36	
	60.00	75.00	1	15.00	5.20	6.00	5.60	0.15	12.60	
	75.00	90.00	1	15.00	6.00	5.50	5.75	0.15	12.94	
	90.00	105.00	1	15.00	5.50	6.00	5.75	0.15	12.94	
	105.00	120.00	1	15.00	6.00	5.70	5.85	0.15	13.16	
	120.00	127.70	1	7.70	5.70	10.30	8.00	0.15	9.24	Bell mouth
	Approach									
			1	2.00			1.50	0.15	0.45	
			1	1.20			1.00	0.15	0.18	
	Deduction									
			-2				1.13	0.15	-0.34	
			-2				0.64	0.15	-0.19	

JE

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
2nd Cross road Connecting 3rd cross road,Kogilu layout										
	0.00	15.00	1	15.00	4.50	4.10	4.30	0.15	9.68	
	15.00	26.20	1	11.20	4.10	4.20	4.15	0.15	6.97	
	26.20	39.20	1	13.00	3.30	3.20	3.25	0.15	6.34	
	39.20	54.20	1	15.00	4.60	3.20	3.90	0.15	8.78	
	54.20	69.20	1	15.00	3.20	3.50	3.35	0.15	7.54	
	69.20	84.20	1	15.00	3.50	3.50	3.50	0.15	7.88	
	84.20	99.20	1	15.00	3.50	3.50	3.50	0.15	7.88	
	99.20	114.20	1	15.00	3.50	3.20	3.35	0.15	7.54	
	114.20	129.20	1	15.00	3.20	3.50	3.35	0.15	7.54	
	129.20	139.90	1	10.70	3.50	3.60	3.55	0.15	5.70	
	139.90	154.90	1	15.00	4.70	4.70	4.70	0.15	10.58	
	154.90	169.90	1	15.00	4.70	4.60	4.65	0.15	10.46	
	169.90	184.90	1	15.00	4.60	3.60	4.10	0.15	9.23	
	184.90	199.90	1	15.00	3.60	3.00	3.30	0.15	7.43	
	199.90	214.90	1	15.00	3.00	2.80	2.90	0.15	6.53	
	214.90	216.90	1	2.00	2.80	2.40	2.60	0.15	0.78	
	Approach									
			1	2.50			1.00	0.15	0.38	
	Deduction									
			-3				1.13	0.15	-0.51	
Road 1 connecting 3rd and 2nd cross roads										
	0.00	11.00	1	11.00	5.60	5.70	5.65	0.15	9.32	
Cross road 1 from 3rd cross road ,kogilu layout										
	0.00	15.00	1	15.00	3.80	4.20	4.00	0.15	9.00	
	15.00	30.00	1	15.00	4.20	3.90	4.05	0.15	9.11	
	30.00	36.50	1	6.50	3.90	3.90	3.90	0.15	3.80	
Road 2 connecting 3rd and 2nd cross roads										
	0.00	14.30	1	14.30	4.00	4.60	4.30	0.15	9.22	
	14.30	28.10	1	13.80	7.00	6.70	6.85	0.15	14.18	
								Total Quantity	**363.26**	Cum
								Deduct paid Quantity	**75.78**	Cum
								Quantity carried to bill	**287.48**	Cum

Checked by 17/11

Contractor Representative

Mecadez Core Technologies Private Limited

Consultant Representative

Asst Engineer

Project Division Yelahanka Zone

Asst Executive Engineer

Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka ZONE

Name of Work:1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division6. Improvement of drain and asphalting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Measurement Sheet

3rd & Final Bill

Name of Agency: Sri. A. CHENNAREDDY

Tender Notification No. BBMP/YNK/EE(PROJECTS/TEND/21/2017-18)

Item No:	24
Item Name:	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift

SLNO	CHAINAGE		NO	L	B1	B2	Avg B	Avg D	Quantity	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Premeasurement recorded on:				16/11/2018,17/11/2018						
								Quantity vide 1st RA Bill	**286.56**	**Sqm**
								Quantity vide 2nd RA Bill	**218.65**	**Sqm**
3rd Cross road,Kogilu layout										
	0.00	15.00	1	15.00	6.50	6.70	6.60		99.00	
	15.00	30.00	1	15.00	6.70	5.30	6.00		90.00	
	30.00	45.00	1	15.00	5.30	4.90	5.10		76.50	
	45.00	60.00	1	15.00	4.90	5.20	5.05		75.75	
	60.00	75.00	1	15.00	5.20	6.00	5.60		84.00	
	75.00	90.00	1	15.00	6.00	5.50	5.75		86.25	
	90.00	105.00	1	15.00	5.50	6.00	5.75		86.25	
	105.00	120.00	1	15.00	6.00	5.70	5.85		87.75	
	120.00	127.70	1	7.70	5.70	10.30	8.00		61.60	Bell mouth
2nd Cross road Connecting 3rd cross road,Kogilu layout										
	0.00	15.00	1	15.00	4.50	4.10	4.30		64.50	
	15.00	26.20	1	11.20	4.10	4.20	4.15		46.48	
	26.20	39.20	1	13.00	3.30	3.20	3.25		42.25	
	39.20	54.20	1	15.00	4.60	3.20	3.90		58.50	
	54.20	69.20	1	15.00	3.20	3.50	3.35		50.25	
	69.20	84.20	1	15.00	3.50	3.50	3.50		52.50	
	84.20	99.20	1	15.00	3.50	3.50	3.50		52.50	
	99.20	114.20	1	15.00	3.50	3.20	3.35		50.25	
	114.20	129.20	1	15.00	3.20	3.50	3.35		50.25	
	129.20	139.90	1	10.70	3.50	3.60	3.55		37.99	
	139.90	154.90	1	15.00	4.70	4.70	4.70		70.50	
	154.90	169.90	1	15.00	4.70	4.60	4.65		69.75	
	169.90	184.90	1	15.00	4.60	3.60	4.10		61.50	
	184.90	199.90	1	15.00	3.60	3.00	3.30		49.50	
	199.90	214.90	1	15.00	3.00	2.80	2.90		43.50	
	214.90	216.90	1	2.00	2.80	2.40	2.60		5.20	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

17/11/18

SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Quantity	REMARKS
Road 1 connecting 3rd and 2nd cross roads										
	0.00	11.00	1	11.00	5.60	5.70	5.65		62.15	
Cross road 1 from 3rd cross road ,kogilu layout										
	0.00	15.00	1	15.00	3.80	4.20	4.00		60.00	
	15.00	30.00	1	15.00	4.20	3.90	4.05		60.75	
	30.00	36.50	1	6.50	3.90	3.90	3.90		25.35	
Road 2 connecting 3rd and 2nd cross roads										
	0.00	14.30	1	14.30	4.00	4.60	4.30		61.49	
	14.30	28.10	1	13.80	7.00	6.70	6.85		94.53	
								Total Quantity	**2422.00**	**Sqm**
								Approved Quantity	**2406.10**	**Sqm**
								Deduct paid Quantity	**505.21**	**Sqm**
								Quantity Limited & carried to bill	**1900.89**	**Sqm**

Contractor Representative

Mecadez Core Technologies Private Limited
MECADEZ

Consultant Representative

Asst Engineer
Project Division Yelahanka Zone

Asst Executive Engineer
Project Division Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore